

Title (en)
SURGICAL LAMP WITH BRIGHTNESS REGULATION

Title (de)
OPERATIONSLEUCHTE MIT HELBIGKEITSREGULIERUNG

Title (fr)
LAMPE DE SALLE D'OPÉRATION AVEC RÉGULATION DE LUMINOSITÉ

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Abstract (en)
[origin: WO2017025513A1] The invention relates to a surgical lamp (1) for illuminating an operating area (2), comprising: a plurality of individual lamps (3) which, in an activated state, form a respective light beam bundle (4) extending along a longitudinal axis (6) and generating a light field region (8) in an illumination plane (7), wherein the light field regions (8) of the individual lamps (3) are arranged next to one another and/or at least partially over one another in the illumination plane (7) in such a way that a total light field (5) is formed; a brightness detection device (9) which is designed to determine an actual brightness value in the total light field (5); as well as a control unit (10) which acts on the individual lamps (3) such that the illumination intensity is controlled in accordance with the determined actual brightness value, wherein the brightness detection device (9) and the control unit (10) are designed in such a way and the control unit (10) is connected to the individual lamps (3) in such a way that an illumination intensity of a first individual lamp (3a) can be set in a targeted manner depending on the actual brightness value and same can be set for brightening or dimming a first light field region (8a) independently of an illumination intensity of a second individual light (3b). The invention also relates to a method for controlling a surgical lamp (1).

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